

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph beginning at page 1, line 21 which starts with "Lack of patient motivation" with the following amended paragraph:

Lack of patient motivation to comply with prescribed exercises is a hindrance to any therapy regimen. Statistics have shown ~~show~~ that a motivational program combined with the right exercise program can increase patient compliance by as much as 30%. It is desirable, therefore, to provide a device or system that motivates a patient to perform his or her prescribed exercises.

Please replace the paragraph beginning at page 3, line 14 which starts with "Examples of stretching exercises that are typically prescribed for low back pain patients" with the following amended paragraph:

Examples of stretching exercises that are typically prescribed for low back pain patients include back bending, the cat stretch, and the hip extension. For these types of exercises, it is desirable for the patient to increase their range of motion and therefore these types ~~type~~ of exercises do not usually involve a static and stable spine. To the contrary, it is desirable for the patient to have a relatively large range of both flexion/extension motion and lateral motion while performing the stretching exercises.

Please replace the paragraph beginning at page 12, line 25 which starts with "The lateral motion sensor" with the following amended paragraph:

The lateral motion sensor 22 ~~24~~ for measuring lateral movement (or motion) in the frontal (or coronal) plane is mounted on vertical member 14 near the upper end 18 of vertical member 14 in the embodiment shown in Figure 1. Sensor 22 ~~24~~ is an optical mouse type sensor (e.g, components from an optical mouse can be used) such as is incorporated into the Atek Super Mini Optical Mouse supplied by Atek, Inc. of Santa Ana, California. Optical mouse type sensor 22 ~~24~~ is disposed on vertical member 14 such that it is located at approximately the 12th thoracic vertebrae when monitoring device 10 is worn by a patient. Optical sensor 22 ~~24~~ in this embodiment is 19 millimeters wide, 60 millimeters long and 9.5 millimeters thick.

Please replace the paragraph beginning at page 14, line 6 which starts with "LabVIEW is a computer program language" with the following amended paragraph:

LabVIEW is a computer program language that is used in one embodiment of the present invention to acquire data from flexion/extension sensor ~~sensor~~ 20 and from lateral motion sensor 22. The data, once acquired from the various sensors, is displayed on a computer as a waveform graph or in some other form usable by a patient or a physician.